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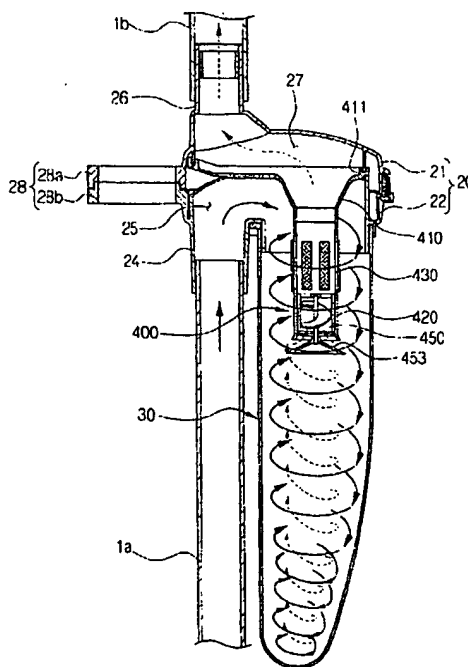
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(54) Abstract Title: Detachable outflow grill for cyclone

(57) A cyclone-type dust-collecting apparatus for use in a vacuum cleaner has a cyclone body 20 having an inflow port 25 and an outflow port 27, the cyclone body forms a whirling air current from dust-laden air drawn into the vacuum cleaner through the inflow port. A dust-collecting chamber 30 is removably connected to the cyclone body, for collecting dust separated from the drawn air in the whirling air current. A grill assembly is disposed at the outflow port 25 of the cyclone body for preventing a reverse flow of dust through the outflow port of the cyclone body. The grill assembly has a first grill member 410 having a supporting portion 411 supported on the outflow port of the cyclone body. A second grill member 420 is removably connected to a lower opening of the first grill member; and a grill portion 430 provided to define a passage in fluid communication with the outflow port in an outer circumference of the second grill member. In a preferred embodiment, the first and second grill members 410, 420 contain female and male screw threads (figure 8) for connecting the two. At the lower end of the second grill members 410, 420 contain female and male screw threads (figure 8) for connecting the two. At the lower end of the second grill member a plate (453, figure 9) may be connected by a push fit mechanism, said plate helps prevent dust from being carried towards the grill portion 430.

FIG.10



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